



Sequence Listing

<110> Bayer Aktiengesellschaft
<120> Anti-Kazlauskas-Lipases
<130> LeA 35 991
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<170> PatentIn version 3.1

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Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly
20 25 30

cag tta atc gac tgg ccc gag gag ttc atc cgg ggg ctg gct gaa cga 144
Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
35 40 45

ggc ttc cgg gta atc tgt ttc gac aac cgc gac gcg ggg ctt tcg acg 192
Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr
50 55 60

aaa ctt gaa ggc gtg aaa aaa ccg aac att gcc cgg gta ttt ctc ctg 240
Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu
65 70 75 80

gcg agc atg ggc cta aag ccc agg gtg cct tac acc ctc gac gac atg 288
Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met
85 90 95

gcc ctg gac acc gtg ggg ctg atg gat gcc ctg ggc att gag agc acc 336
Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
100 105 110

cac gta gtt ggc gtc tcc atg ggc ggc atg att gcg cag att cta ggc 384
His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
115 120 125

gcg aag cac ggg gag cgg gtg aaa tcc ctt acc ctg atg att acc tcc 432
Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
130 135 140

tcc ggc aac ccc cgc atg ccg gcg ccc agg ccg cag gtg ctg caa aag 480
Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys
145 150 155 160

ttt atg cgg gtg ccc aag agc atg gat aag gaa gag tgg att aaa tac	528
Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr	
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aac ttg gag ctt tta acc acc atc ggc agc ccc ggg ttg gac cgg gag	576
Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu	
180 185 190	

aag ctg gcc tta gac gtg agg aag agc ata gag cgg tgc ctt tgc ccc	624
Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro	
195 200 205	

gaa ggc acg cag cgg cag ctg gca gcc atc ctg cag agc ggc agc agg	672
Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg	
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gtg aag ctg ctc cgg cgg atc gct gtc ccc acc ctg gtc atc agc ggg	720
Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly	
225 230 235 240	

gcg gaa gat ccc ctc ctg ccg tac cag tgc ggc cgg gac att gcc gac	768
Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp	
245 250 255	

cat atc ccg gga gcc cgc ttc gag ctc atc gag ggc atg ggg cac gac	816
His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp	
260 265 270	

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Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
35 40 45

Gly	Phe	Arg	Val	Ile	Cys	Phe	Asp	Asn	Arg	Asp	Ala	Gly	Leu	Ser	Thr	50	55	60	
Lys	Leu	Glu	Gly	Val	Lys	Lys	Pro	Asn	Ile	Ala	Arg	Val	Phe	Leu	Leu	65	70	75	80
Ala	Ser	Met	Gly	Leu	Lys	Pro	Arg	Val	Pro	Tyr	Thr	Leu	Asp	Asp	Met	85	90	95	
Ala	Leu	Asp	Thr	Val	Gly	Leu	Met	Asp	Ala	Leu	Gly	Ile	Glu	Ser	Thr	100	105	110	
His	Val	Val	Gly	Val	Ser	Met	Gly	Gly	Met	Ile	Ala	Gln	Ile	Leu	Gly	115	120	125	
Ala	Lys	His	Gly	Glu	Arg	Val	Lys	Ser	Leu	Thr	Leu	Met	Ile	Thr	Ser	130	135	140	
Ser	Gly	Asn	Pro	Arg	Met	Pro	Ala	Pro	Arg	Pro	Gln	Val	Leu	Gln	Lys	145	150	155	160
Phe	Met	Arg	Val	Pro	Lys	Ser	Met	Asp	Lys	Glu	Glu	Trp	Ile	Lys	Tyr	165	170	175	
Asn	Leu	Glu	Leu	Leu	Thr	Thr	Ile	Gly	Ser	Pro	Gly	Leu	Asp	Arg	Glu	180	185	190	
Lys	Leu	Ala	Leu	Asp	Val	Arg	Lys	Ser	Ile	Glu	Arg	Cys	Leu	Cys	Pro	195	200	205	
Glu	Gly	Thr	Gln	Arg	Gln	Leu	Ala	Ala	Ile	Leu	Gln	Ser	Gly	Ser	Arg	210	215	220	
Val	Lys	Leu	Leu	Arg	Arg	Ile	Ala	Val	Pro	Thr	Leu	Val	Ile	Ser	Gly	225	230	235	240
Ala	Glu	Asp	Pro	Leu	Leu	Pro	Tyr	Gln	Cys	Gly	Arg	Asp	Ile	Ala	Asp	245	250	255	
His	Ile	Pro	Gly	Ala	Arg	Phe	Glu	Leu	Ile	Glu	Gly	Met	Gly	His	Asp	260	265	270	

Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His
275 280 285

Ala Ala Ala Ala Glu Ala
290